

ENVIRONMENTAL RESOLUTIONS, INC.

October 15, 2005

Mr. Magdy Baiady
California Regional Water Quality Control Board
Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, California 90013

Subject: Quarterly Groundwater Monitoring and Status Report for the Third Quarter 2005
Mobil Station 18LBF
19248 Victory Boulevard
Reseda, California
CRWQCB Case No. 913350834A

Mr. Baiady:

At the request of ExxonMobil Oil Corporation (ExxonMobil), Environmental Resolutions, Inc. is submitting the Third Quarter 2005 ExxonMobil Quarterly Groundwater Monitoring and Status Report for the above-referenced site. The format utilized for the report consolidates groundwater sampling (where applicable), Title 23, Subchapter 16 reporting and consultant progress updates for ExxonMobil into one summary report.

Please call me at (949) 457-7999 if you have any questions.

Sincerely,
Environmental Resolutions, Inc.

Patrick J. Toelkes
Project Manager
P.G. 7155

cc: Ms. Felicia Jones, ExxonMobil

QUARTERLY GROUNDWATER MONITORING AND STATUS REPORT SUMMARY SHEET

THIRD QUARTER 2005

Mobil Station 18LBF, 19248 Victory Boulevard, Reseda, California

ERI 3236

SITE INFORMATION:	
Responsible Party / Contact:	ExxonMobil Oil Corporation / Ms. Felicia Jones (310) 212-2904
Responsible Party Address:	3700 West 190th Street, TPT2-4, Torrance, California 90504
Station / Site ID:	18LBF
Current Site Use:	Operating Mobil gasoline service station
Global ID:	T0603702234
Lead Regulatory Agency/Case#/Case Worker:	CRWQCB/ 913350834A/ Magdy Baiady (213) 576-6699
Date of Most Recent Regulatory Letter:	December 29, 2004
Primary Consultant / Project Manager:	Environmental Resolutions, Inc. / Mr. Patrick J. Toelkes (949) 457-7999
Well Monitoring Contractor:	Environmental Resolutions, Inc.
Site Monitoring Frequency:	Quarterly
Well(s) and/or Subsurface Water Within 2,000 ft.:	Los Angeles River (500 ft north)
Number of Groundwater Wells On Site:	4
Number of Groundwater Wells Off Site:	None
Phase of Vadose Investigation:	Assessed
Phase of Groundwater Investigation:	Monitoring and sampling/delineation
Nature of Impact:	Gasoline

SITE HYDROLOGY

Number of Water Zones:	1
Depth to Groundwater Range (ft.)	15.74 - 16.46
Potentiometric Surface Elevation Range (ft-MSL):	725.39 - 726.34
Qtrly Change in Avg. Groundwater Elevation (ft):	0.92 ft increase
Flow Direction/Hydraulic Gradient (ft/ft):	Northeast / 0.02 ft/ft

FIELD ACTIVITY (CURRENT QUARTER):

		Wells with LPH:	
		Well	Feet
Groundwater Monitoring Date:	07/13/05	None	N/A
Groundwater Wells Gauged:	4		
Groundwater Wells Sampled:	4		
Sampling Method:	Purge		
Gallons of Groundwater Purged:	156		
Treatment Method / Disposal Facility:	Crosby & Overton		
Analysis:	TPHg by EPA Cal-LUFT Method; BTEX and fuel oxygenates by EPA Method 8260B		

GROUNDWATER CONDITIONS:

No. of wells with Detectable Benzene:	2	Benzene Range (ug/l):	<0.50 - 99.0
No. of wells with Detectable TPHg:	4	TPHg Range (ug/l):	52.2 - 3870
No. of wells with Detectable MTBE:	4	MTBE Range (ug/l):	69.4 - 2050
No. of wells with Detectable TBA:	4	TBA Range (ug/l):	244 - 14,200

ADDITIONAL INFORMATION:

Quarterly groundwater monitoring began at the site in the third quarter 2003.

WORK PERFORMED THIS QUARTER:

Groundwater monitoring and sampling of 4 wells.

Installed 3 off-site wells and worked on encroachment permits with the City of Los Angeles for the installation of the fourth well in Sylvia Avenue.

QUARTERLY GROUNDWATER MONITORING AND STATUS REPORT SUMMARY SHEET
THIRD QUARTER 2005
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TREND ANALYSIS:

Groundwater elevations increased by an average of 0.92 feet since the second quarter 2005.

Dissolved phase benzene is localized to the vicinity of the former USTs with the maximum concentration detected in groundwater monitoring well MW04 at 99.0 micrograms per liter (µg/l).

Dissolved phase MTBE was detected in each of the monitoring wells. Well MW04 had the highest concentration of MTBE at 2,050 µg/l.

Dissolved phase TBA was detected in each of the monitoring wells. Groundwater monitoring well MW01 had the highest concentration of TBA at 14,200 µg/l.

ACTIVITIES PERFORMED THIS QUARTER:

Conducted quarterly groundwater monitoring and sampling.

Prepared and submitted quarterly groundwater monitoring report for second quarter 2005 to the CRWQCB.

ACTIVITIES PROPOSED NEXT QUARTER:

Conduct quarterly groundwater monitoring and sampling.

Prepare and submit the quarterly groundwater monitoring report for third quarter 2005 to the CRWQCB.

Conduct a dual-phase extraction feasibility test.

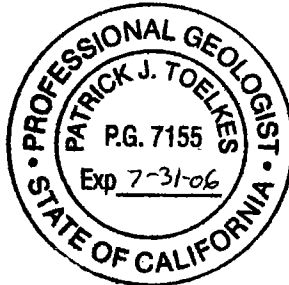
For any questions, please call Ms. Felicia Jones with ExxonMobil at (310) 212-2904 or Mr. Patrick J. Toelkes with ERI at (949) 457-7999.

Respectfully submitted,



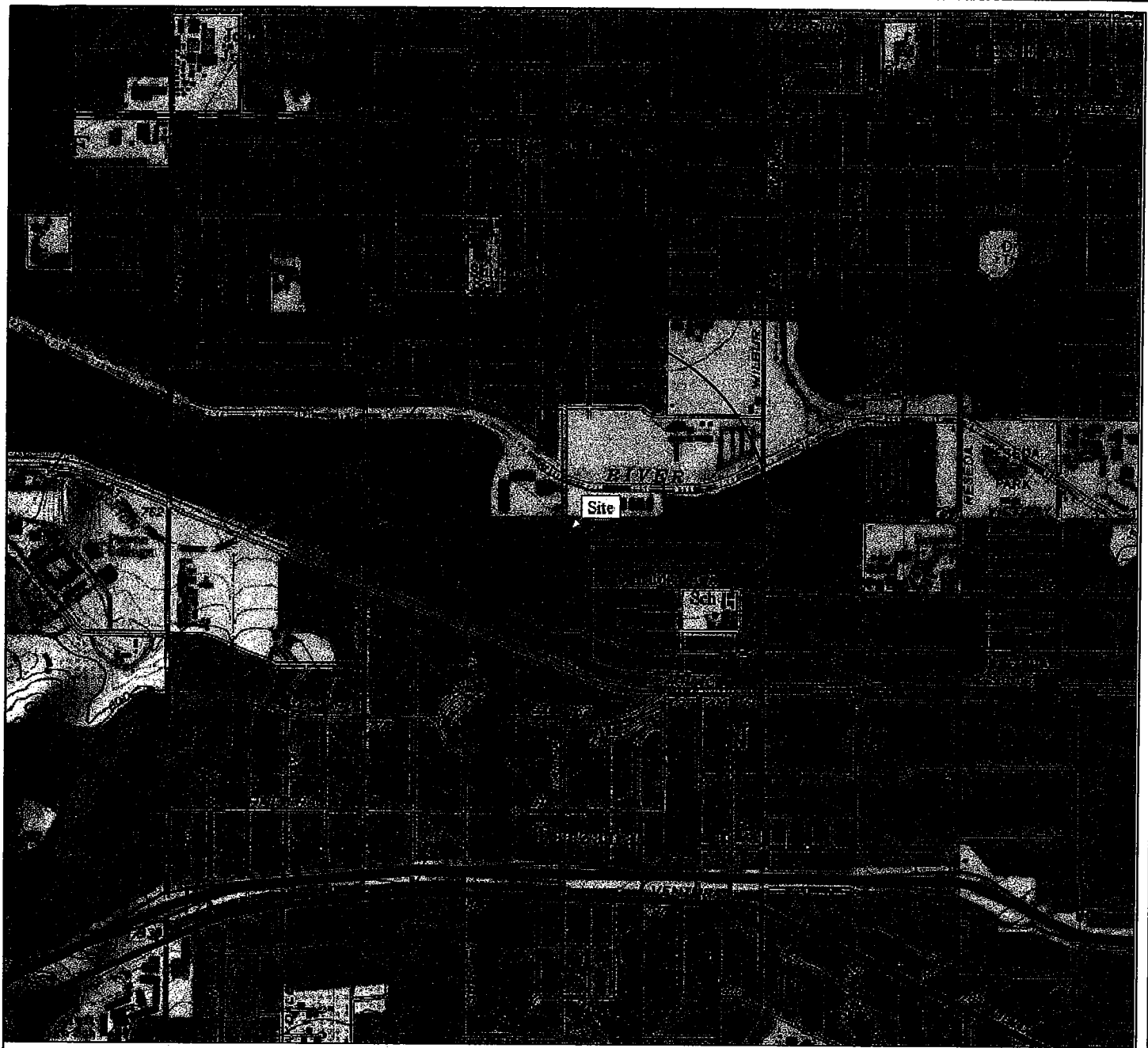
Patrick J. Toelkes

P.G. 7155



ATTACHED:

- Site Location Map (Plate 1)
- Site Vicinity Map (Plate 2)
- Groundwater Elevation Contour Map – 07/13/05 (Plate 3)
- Benzene Groundwater Isopleth Concentration Map – 07/13/05 (Plate 4)
- MTBE Groundwater Isopleth Concentration Map – 07/13/05 (Plate 5)
- Groundwater Monitoring and Sampling Schedule and Well Construction Details (Table 1)
- Water Level Measurements and Groundwater Analyses (Table 2)
- Cumulative Water Level Measurements and Groundwater Analyses (Table 3)
- Laboratory Report and Chain-of-Custody Record
- Groundwater Sampling Field Log
- ERI Groundwater Monitoring and Sampling Field Protocol
- Non-Hazardous Waste Manifest for Second Quarter 2005

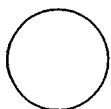


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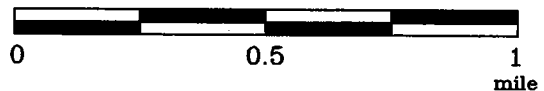
Map Name: Canoga Park, CA
Version: 1987

EXPLANATION



1/2-mile radius circle

APPROXIMATE SCALE



SOURCE:
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SITE LOCATION MAP

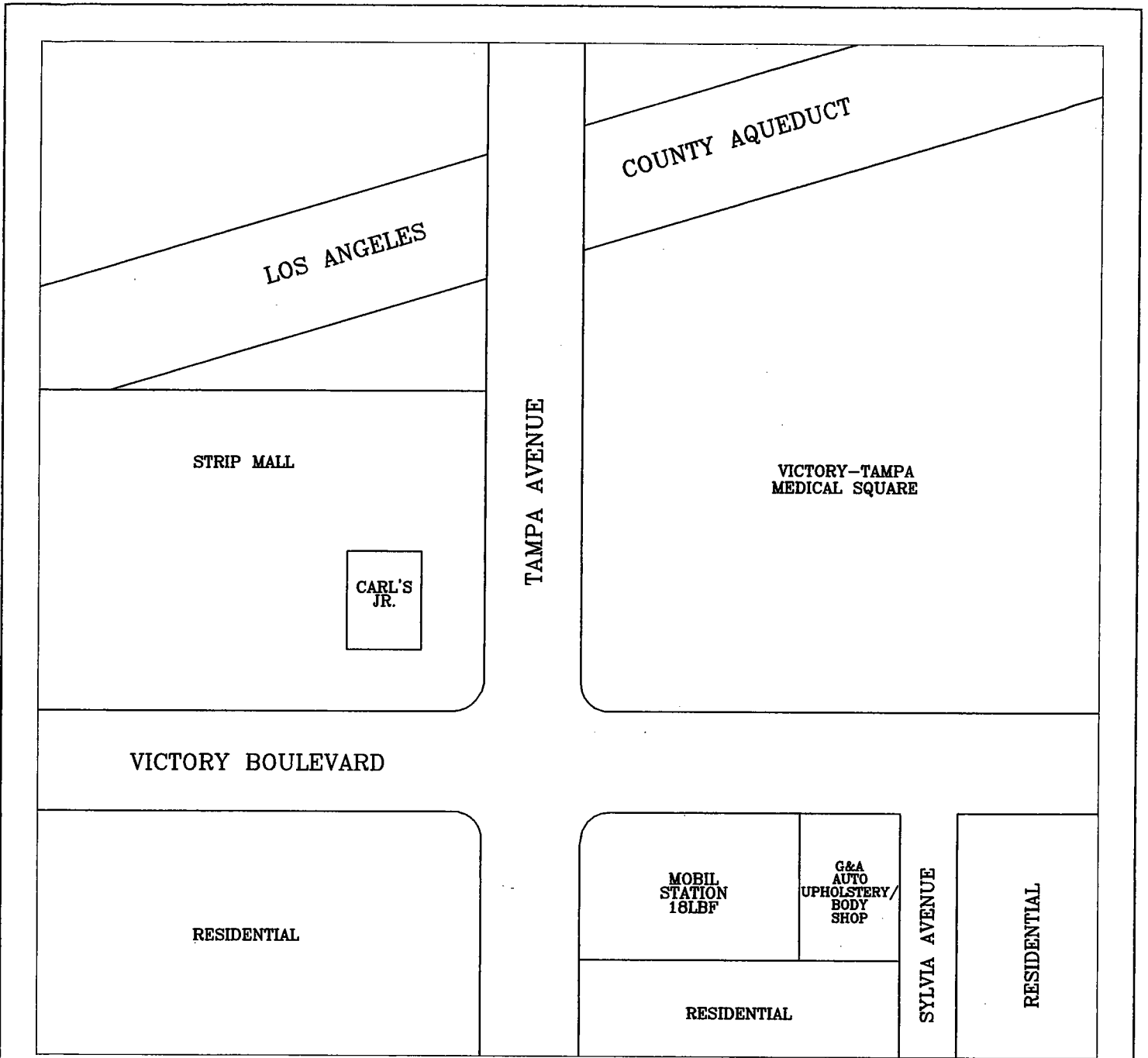
MOBIL STATION 18LBF
19248 Victory Boulevard
Reseda, California

PROJECT NO.

3236

PLATE

1

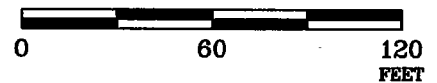


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EXPLANATION



APPROXIMATE SCALE



SOURCE:
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SITE VICINITY MAP

MOBIL STATION 18LBF
19248 Victory Boulevard
Reseda, California

PROJECT NO.

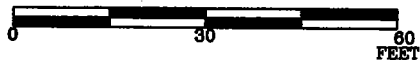
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PLATE

2

DATE: 08/20/05

APPROXIMATE SCALE

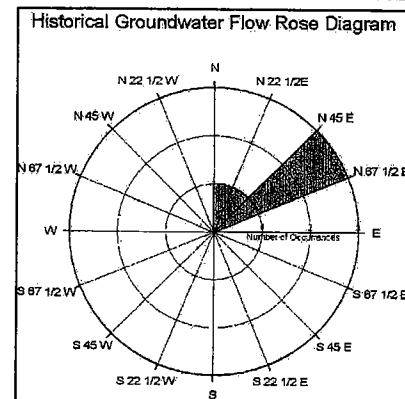
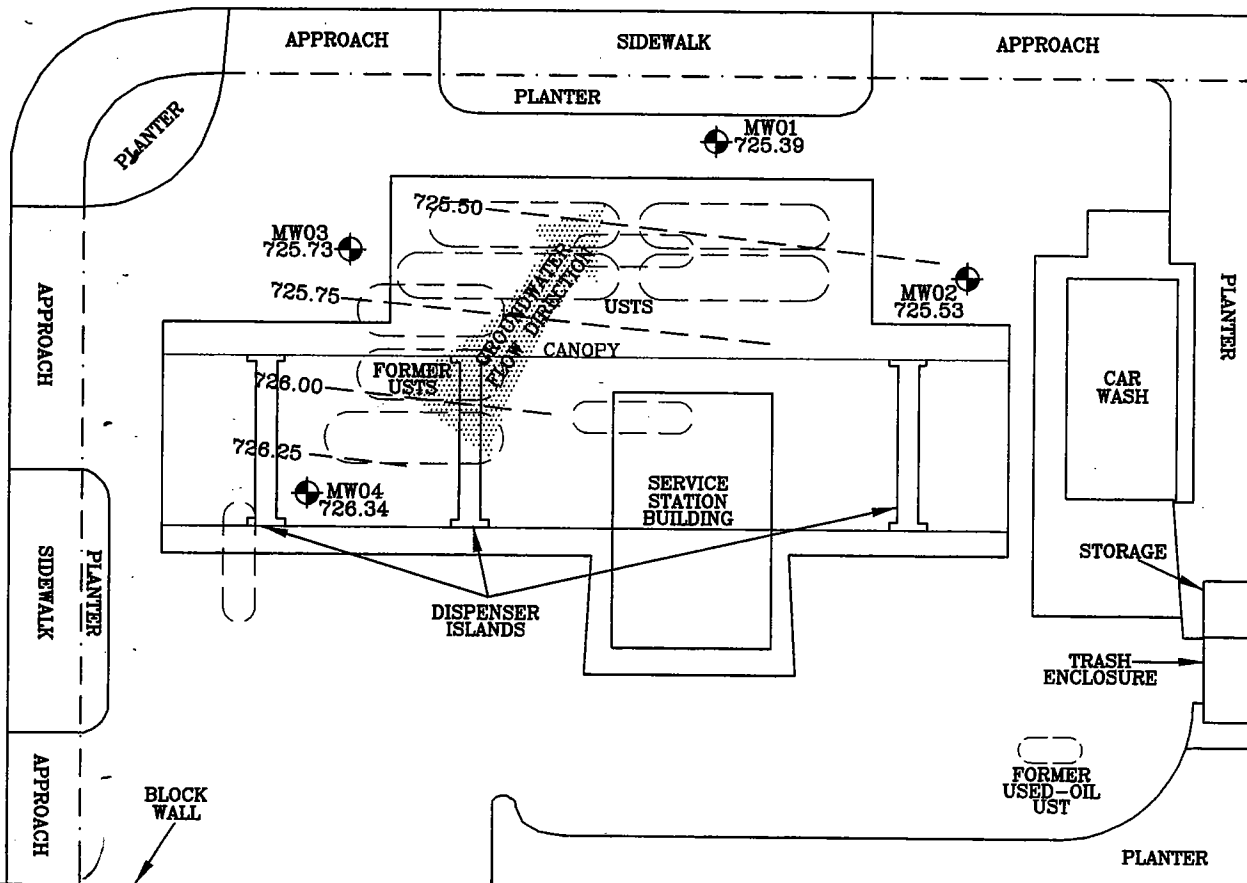


VICTORY BOULEVARD

SOURCE:
Modified from a map
provided by
Holguin, Fahan & Associates, Inc.



TAMPA AVENUE



G&A
AUTO UPHOLSTERY/
BODY SHOP

FN 32360002



GROUNDWATER ELEVATION CONTOUR MAP 07/13/05

MOBIL STATION 18LBF
19248 Victory Boulevard
Reseda, California

EXPLANATION

- ⊕ MW04 Groundwater monitoring well
- 726.34 Groundwater elevation (feet, relative to mean sea level)
- Line of equal groundwater elevation
- Former dispenser island

PROJECT NO.

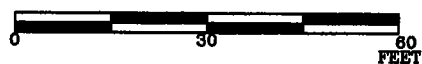
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PLATE

3

DATE: 08/20/05

APPROXIMATE SCALE

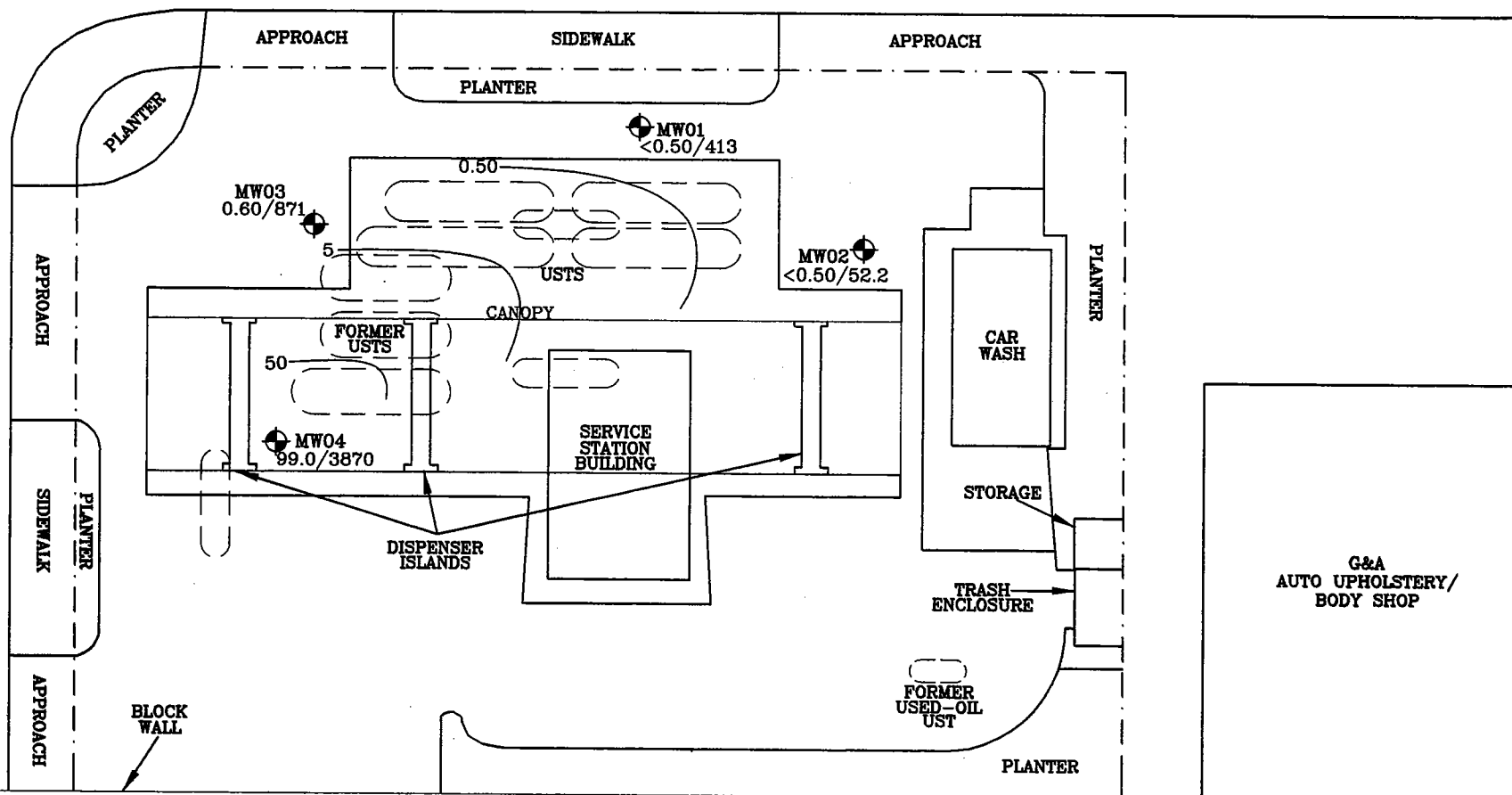


VICTORY BOULEVARD

SOURCE:
Modified from a map
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TAMPA AVENUE



FN 32360002



BENZENE GROUNDWATER ISOPLETH CONCENTRATION MAP - 07/13/05

MOBIL STATION 18LBF
19248 Victory Boulevard
Reseda, California

EXPLANATION

- ⊕ MW04 Groundwater monitoring well
- 99.0/3870 Benzene/TPHg concentration in ug/l
- <0.50 Less than the stated laboratory reporting limit
- Line of equal benzene concentration
- - - Former dispenser island

PROJECT NO.

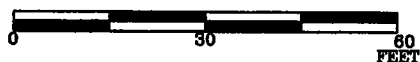
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PLATE

4

DATE: 08/20/05

APPROXIMATE SCALE

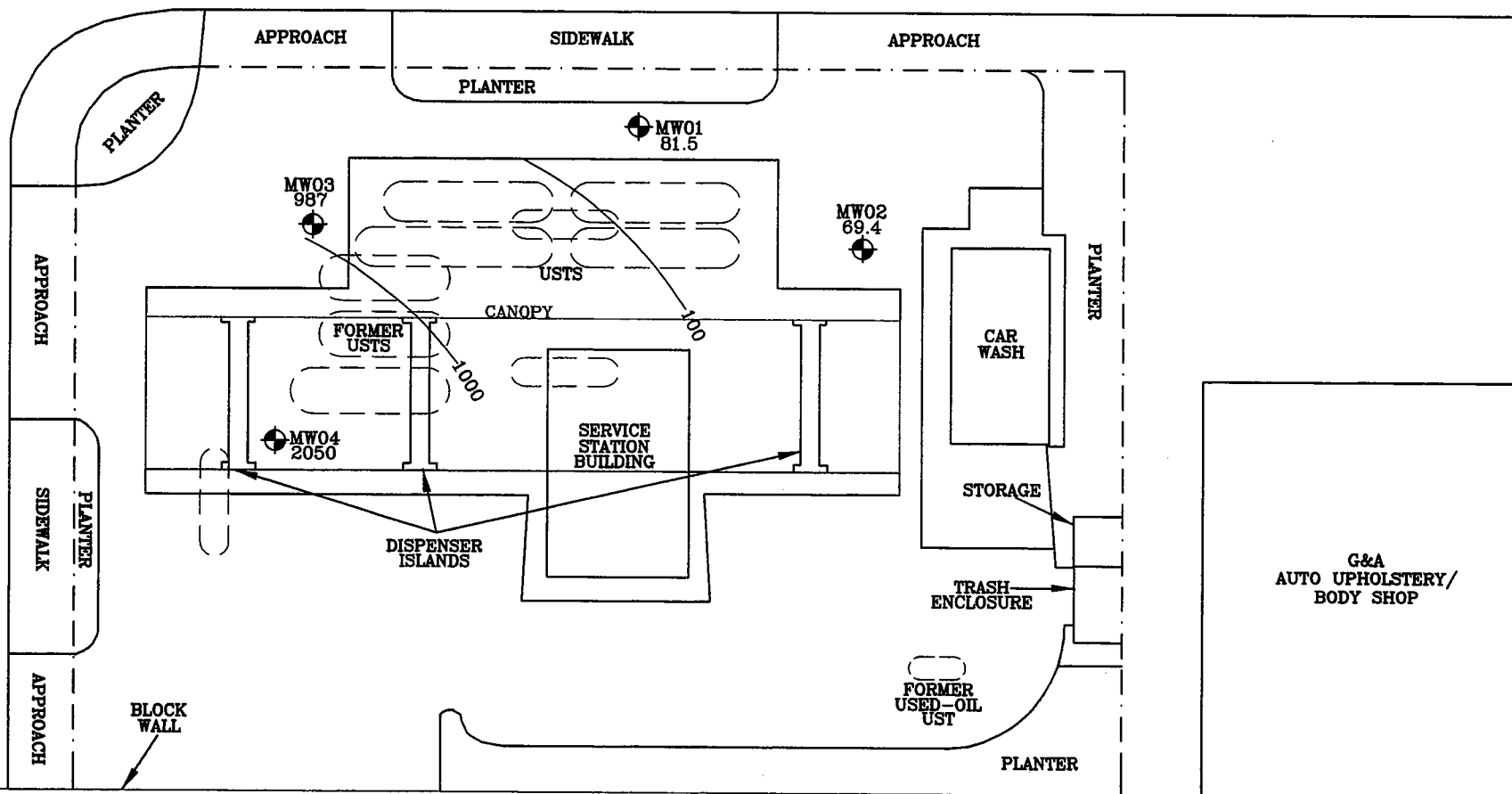


VICTORY BOULEVARD

SOURCE:
Modified from a map
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Holguin, Fahan & Associates, Inc.



TAMPA AVENUE



FN 32360002



MTBE GROUNDWATER ISOPLETH CONCENTRATION MAP - 07/13/05

MOBIL STATION 18LBF
19248 Victory Boulevard
Reseda, California

EXPLANATION

- ◆ MW04 Groundwater monitoring well
- 2050 MTBE concentration in ug/l
- Line of equal MTBE concentration
- Former dispenser island

PROJECT NO.

3236

PLATE

5

DATE: 08/20/05

TABLE 1
GROUNDWATER MONITORING AND SAMPLING SCHEDULE
AND WELL CONSTRUCTION DETAILS
MOBIL STATION 18LBF
19248 VICTORY BOULEVARD
RESEDA, CALIFORNIA
ERI 3236

CURRENT MONITORING WELL SAMPLING/ACTIVITY SCHEDULE			
WELL NUMBER	WELL ACTIVITY	FREQUENCY OF GAUGING	FREQUENCY OF SAMPLING
MW01	P	quarterly	quarterly
MW02	P	quarterly	quarterly
MW03	P	quarterly	quarterly
MW04	P	quarterly	quarterly

NP = no-purge

P = purge

WELL CONSTRUCTION INFORMATION				
WELL ID	INSTALL DATE	CASING/BOREHOLE DIAMETER	SCREENED INTERVAL (ft)	TOTAL DEPTH (ft)
MW01	09/17-18/03	4"/10"	10-39.5	40
MW02	09/18/03	4"/10"	10-39.5	40
MW03	09/19/03	4"/10"	10-39.5	40
MW04	09/19/03	4"/10"	10-39.5	40

TOTAL DEPTH = depth of boring

TABLE 2
WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES
MOBIL STATION 18LBF
19248 VICTORY BOULEVARD
RESEDA, CALIFORNIA
ERI 3236

MW01	ELEV:	741.85							
DATE	GW DEPTH	GW ELEV.	B	T	E	X	TPHg	MTBE	TBA
07/13/05	16.46	725.39	<0.50	<0.50	<0.50	<0.50	413	81.5	14200
MW02	ELEV:	741.98							
DATE	GW DEPTH	GW ELEV.							
07/13/05	16.45	725.53	<0.50	<0.50	<0.50	<0.50	52.2	69.4	244
MW03	ELEV:	741.75							
DATE	GW DEPTH	GW ELEV.							
07/13/05	16.02	725.73	0.60	<0.50	1.50	0.60	871	987	1360
MW04	ELEV:	742.08							
DATE	GW DEPTH	GW ELEV.							
07/13/05	15.74	726.34	99.0	141	135	550	3870	2050	684

EXPLANATION:

Results reported in micrograms per liter (ug/l).

GW = groundwater

ELEV = elevation

B = benzene; T = toluene; E = ethylbenzene; X = total xylene isomers; TPHg = total petroleum hydrocarbons as gasoline

Methyl tertiary butyl ether (MTBE) analyzed by EPA Method 8260B.

TBA = tertiary butyl alcohol

<0.50 = not detected at or above the stated laboratory reporting limit

TABLE 3
CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES
MOBIL STATION 18LBF
19248 VICTORY BOULEVARD
RESEDA, CALIFORNIA
ERI 3236

<i>Date</i>	<i>Well Elev</i>	<i>GW Depth</i>	<i>GW Elev</i>	<i>LPH</i>	<i>Benzene (ug/l)</i>	<i>Toluene (ug/l)</i>	<i>Ethyl- benzene (ug/l)</i>	<i>Xylenes (ug/l)</i>	<i>TPHg (ug/l)</i>	<i>MTBE (ug/l)</i>	<i>DIPE (ug/l)</i>	<i>ETBE (ug/l)</i>	<i>TAME (ug/l)</i>	<i>TBA (ug/l)</i>	<i>Ethanol (ug/l)</i>	<i>Methanol (ug/l)</i>
Field Point	MW01															
9/30/2003	741.85	18.60	723.25	no	<0.50	0.30J	<0.50	<0.50	1120	103	<0.50	<0.50	<0.50	536		
11/5/2003	741.85	18.77	723.08	no	<0.50	<0.50	<0.50	<0.50	141	125	<0.50	0.30J	<0.50	1970		
2/4/2004	741.85	18.80	723.05	no	<0.50	<0.50	<0.50	<0.50	<50.0	581	<0.50	1.70J	<0.50	16300		
5/19/2004	741.85	18.51	723.34	no	<1.00	<1.00	<1.00	<1.00	2430	3480	<1.00	8.20	2.90	100000		
7/29/2004	741.85	19.07	722.78	no	<1.00	<1.00	<1.00	<1.00	537	355	<1.00	2.70	<1.00	34400		
10/18/2004	741.85	19.26	722.59	no	<1.00	<1.00	<1.00	<1.00	1470	635	<1.00	8.80	<1.00	39200		
1/26/2005	741.85	15.86	725.99	no	<1.00	<1.00	<1.00	<1.00	998	947	<1.00	8.00	<1.00	117000	<1000	20900
4/18/2005	741.85	15.56	726.29	no	<0.50	<0.50	<0.50	0.63	440	164	<1.00	1.20	<1.00	15600	<200	
7/13/2005	741.85	16.46	725.39	no	<0.50	<0.50	<0.50	<0.50	413	81.5	<1.00	<1.00	<1.00	14200		
Field Point	MW02															
9/30/2003	741.98	18.77	723.21	no	<0.50	0.30J	<0.50	<0.50	98.1	39.9	<0.50	<0.50	<0.50	327		
11/5/2003	741.98	18.90	723.08	no	<0.50	<0.50	<0.50	<0.50	181	192	<0.50	<0.50	<0.50	916		
2/4/2004	741.98	18.87	723.11	no	<0.50	<0.50	<0.50	<0.50	1340	375	<0.50	<0.50	<0.50	1330		
5/19/2004	741.98	18.62	723.36	no	<1.00	<1.00	<1.00	<1.00	186	222	<1.00	<1.00	<1.00	872		
7/29/2004	741.98	19.20	722.78	no	<1.00	<1.00	<1.00	<1.00	1120	1330	<1.00	2.10	1.00	35700		
10/18/2004	741.98	19.43	722.55	no	<1.00	<1.00	<1.00	<1.00	881	725	<1.00	<1.00	1.40	9100		
1/26/2005	741.98	15.78	726.20	no	1.00	2.20	<1.00	<1.00	478	806	<1.00	1.20	<1.00	8360	<1000	<10000
4/18/2005	741.98	15.46	726.52	no	<0.50	<0.50	0.60	0.71	92.4	91.8	<1.00	<1.00	<1.00	684	<200	
7/13/2005	741.98	16.45	725.53	no	<0.50	<0.50	<0.50	<0.50	52.2	69.4	<1.00	<1.00	<1.00	244		
Field Point	MW03															
9/30/2003	741.75	18.20	723.55	no	29.5	5.80	2.80	260	5910	5570	<0.50	0.60	10.2	2340		

TABLE 3
CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES
MOBIL STATION 18LBF
19248 VICTORY BOULEVARD
RESEDA, CALIFORNIA
ERI 3236

<i>Date</i>	<i>Well Elev</i>	<i>GW Depth</i>	<i>GW Elev</i>	<i>LPH</i>	<i>Benzene (ug/l)</i>	<i>Toluene (ug/l)</i>	<i>Ethyl- benzene (ug/l)</i>	<i>Xylenes (ug/l)</i>	<i>TPHg (ug/l)</i>	<i>MTBE (ug/l)</i>	<i>DIPE (ug/l)</i>	<i>ETBE (ug/l)</i>	<i>TAME (ug/l)</i>	<i>TBA (ug/l)</i>	<i>Ethanol (ug/l)</i>	<i>Methanol (ug/l)</i>
11/5/2003	741.75	18.38	723.37	no	1.00	<0.50	0.30J	2.00	339	449	<0.50	<0.50	0.50	165		
2/4/2004	741.75	18.42	723.33	no	1.40	<0.50	<0.50	<0.50	3590	8650	<0.50	0.30J	7.10	971		
5/19/2004	741.75	18.11	723.64	no	15.5	<1.00	48.2	1.50	12900	23400	<1.00	<1.00	33.0	14400		
7/29/2004	741.75	18.63	723.12	no	<1.00	2.20	2.50	8.80	3820	4660	<1.00	<1.00	6.40	838		
10/18/2004	741.75	18.83	722.92	no	1.60	<1.00	4.70	<1.00	2530	2110	<1.00	<1.00	4.90	810		
1/26/2005	741.75	15.42	726.33	no	1.10	1.50	<1.00	<1.00	285	399	<1.00	<1.00	<1.00	113	<1000	<10000
4/18/2005	741.75	15.17	726.58	no	1.80	<0.50	6.30	5.50	834	1180	<1.00	<1.00	2.30	1350	<200	
7/13/2005	741.75	16.02	725.73	no	0.60	<0.50	1.50	0.60	871	987	<1.00	<1.00	2.50	1360		
Field Point MW04																
9/30/2003	742.08	18.06	724.02	no	44.0	58.0	62.0	1310	8380	406	<10.0	<10.0	<10.0	78.0J		
11/5/2003	742.08	18.31	723.77	no	32.8	47.6	22.6	366	2140	838	<0.50	<0.50	0.80	103		
2/4/2004	742.08	18.36	723.72	no	78.7	37.1	85.8	246	1760	1520	<0.50	0.30J	3.80	402		
5/19/2004	742.08	17.97	724.11	no	1780	2030	2020	7220	71800	70000	<50.0	<50.0	65.0	8300		
7/29/2004	742.08	18.57	723.51	no	109	150	143	410	4870	2580	<1.00	<1.00	3.00	340		
10/18/2004	742.08	18.80	723.28	no	67.0	123	67.8	325	3190	1430	<1.00	<1.00	2.50	623		
1/26/2005	742.08	15.12	726.96	no	138	222	175	707	5020	2920	<1.00	<1.00	3.90	231	<1000	<10000
4/18/2005	742.08	14.79	727.29	no	165	300	200	1080	6180	3500	<1.00	<1.00	3.30	981	<200	
7/13/2005	742.08	15.74	726.34	no	99.0	141	135	550	3870	2050	<1.00	<1.00	<1.00	684		
Field Point TRIP BLANK																
9/30/2003				no	<0.50	<0.50	<0.50	<0.50	<50.0	<0.50	<0.50	<0.50	<0.50	<10.0		
11/5/2003				no	<0.50	<0.50	<0.50	<0.50	<50.0	<0.50	<0.50	<0.50	<0.50	<10.0		
2/4/2004				no	<0.50	0.30J	<0.50	<0.50	<50.0	<0.50	<0.50	<0.50	<0.50	<10.0		

TABLE 3
CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES
MOBIL STATION 18LBF
19248 VICTORY BOULEVARD
RESEDA, CALIFORNIA
ERI 3236

Date	Well Elev	GW Depth	GW Elev	LPH	Benzene (ug/l)	Toluene (ug/l)	Ethyl- benzene (ug/l)	Xylenes (ug/l)	TPHg (ug/l)	MTBE (ug/l)	DIPE (ug/l)	ETBE (ug/l)	TAME (ug/l)	TBA (ug/l)	Ethanol (ug/l)	Methanol (ug/l)
5/19/2004				no	<1.00	<1.00	<1.00	<1.00	<50.0	<2.00	<1.00	<1.00	<1.00	<10.0		
7/29/2004				no	<1.00	<1.00	<1.00	<1.00	<50.0	<2.00	<1.00	<1.00	<1.00	<10.0		
10/18/2004				no	<1.00	<1.00	<1.00	<1.00	<50.0	<2.00	<1.00	<1.00	<1.00	<10.0		
1/26/2005				no	<1.00	<1.00	<1.00	<1.00	<50.0	<2.00	<1.00	<1.00	1.30	<10.0	<1000	<10000
4/18/2005				no	<0.50	<0.50	<0.50	0.75	<50.0	<1.00	<1.00	<1.00	<1.00	<10.0		
7/13/2005				no	<0.50	<0.50	<0.50	<0.50	<50.0	<1.00	<1.00	<1.00	<1.00	<10.0		

TABLE 3
CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES
MOBIL STATION 18LBF
19248 VICTORY BOULEVARD
RESEDA, CALIFORNIA
ERI 3236

Explanation:

ELEV = elevation

EPA = Environmental Protection Agency

GW = groundwater

DIPE = di-isopropyl ether

ETBE = ethyl tertiary butyl ether

TAME = tertiary amyl methyl ether

TBA = tertiary butyl alcohol

TPHg = total petroleum hydrocarbons as gasoline

MTBE = methyl tertiary butyl ether

MTBE analyzed by EPA Method 82620B.

LPH = liquid phase hydrocarbons (thickness measured in feet)

<10000 = not detected at or above stated laboratory reporting limit

ug/l = micrograms per liter

8/12/05

ENVIRONMENTAL RESOLUTIONS, INC 10229
Pat Toelkes
20372 NORTH SEA CIRCLE
LAKE FOREST, CA 92630

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project identified below:

Project Name: EXXONMOBIL 18-LBF
Project Number: ERI 3236 13.
Laboratory Project Number: 422938.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. Any QC recoveries outside laboratory control limits are flagged individually with an #. Sample specific comments and quality control statements are included in the Laboratory notes section of the analytical report for each sample report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

Page 1

Sample Identification	Lab Number	Collection Date
-----	-----	-----
W-16-MW01	05-A101697	7/13/05
W-16-MW02	05-A101698	7/13/05
W-16-MW03	05-A101699	7/13/05
W-15-MW04	05-A101700	7/13/05
TRIP BLANKS	05-A101701	7/13/05

Changed the sample ID's.

Sample Identification

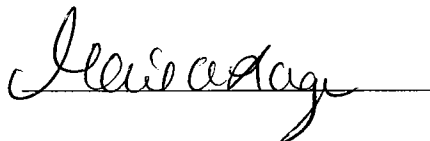
Lab Number

Collection Date

These results relate only to the items tested.

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Report Approved By:



Report Date: 8/12/05

Revised Report Date

Johnny A. Mitchell, Laboratory Director
Michael H. Dunn, M.S., Technical Director
Pamela A. Langford, Senior Project Manager
Eric S. Smith, QA/QC Director

Gail A. Lage, Senior Project Manager
Glenn L. Norton, Technical Services
Kelly S. Comstock, Technical Services
Roxanne L. Connor, Senior Project Manager

Laboratory Certification Number: 01168CA

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ANALYTICAL REPORT

ENVIRONMENTAL RESOLUTIONS, INC 10229
Pat Toelkes
20372 NORTH SEA CIRCLE
LAKE FOREST, CA 92630

Lab Number: 05-A101697
Sample ID: W-16-MW01
Sample Type: Water
Site ID: 18-LBF

Project: ERI 3236 13
Project Name: EXXONMOBIL 18-LBF
Sampler: JORGE GONZALEZ

Date Collected: 7/13/05
Time Collected: 8:34
Date Received: 7/15/05
Time Received: 7:55

Purchase Order: 4505826166

Parameter	Result	Flag	Units	Limit of Quantitation	Limit of Detection	Dilution Factor	Date	Time	Method	Analyst	Batch
**Volatile Organics											
**Ethyl-t-butylether	<1.00		ug/l	1.00	0.27	1.	7/16/05	22:54	8260B	I. Ahmed	7412
**tert-amyl methyl ether	<1.00		ug/L	1.00	0.30	1.	7/16/05	22:54	8260B	I. Ahmed	7412
**Tertiary butyl alcohol	14200		ug/l	500.	214.	50.0	7/17/05	16:45	8260B	I. Ahmed	7412
**Benzene	<0.50		ug/l	0.50	0.25	1.	7/16/05	22:54	8260B	I. Ahmed	7412
**Ethylbenzene	<0.50		ug/l	0.50	0.19	1.	7/16/05	22:54	8260B	I. Ahmed	7412
**Toluene	<0.50		ug/l	0.50	0.17	1.	7/16/05	22:54	8260B	I. Ahmed	7412
**Xylenes (Total)	<0.50		ug/l	0.50	0.33	1.	7/16/05	22:54	8260B	I. Ahmed	7412
**Methyl-t-butyl ether	81.5		ug/l	1.00	0.23	1.0	7/16/05	22:54	8260B	I. Ahmed	7412
**Diisopropyl ether	<1.00		ug/l	1.00	0.18	1.	7/16/05	22:54	8260/SA05-77	I. Ahmed	7412
**TPH-GC											
**TPH (Gasoline Range)	413.		ug/l	50.0	33.0	1.0	7/16/05	16:49	CA-LUFT	Chakrabort	6012

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	94.	63. - 134.
VOA Surr 1,2-DCA-d4	108.	70. - 130.
VOA Surr Toluene-d8	102.	78. - 121.
VOA Surr, 4-BFB	109.	78. - 126.
VOA Surr, DBPM	107.	79. - 122.

ANALYTICAL REPORT

Laboratory Number: 05-A101697
Sample ID: W-16-MW01

Page 2

LABORATORY COMMENTS:

ND = Not detected at the limit of Quantitation.
U = Analyte analyzed for but not detected.
= Recovery outside Laboratory historical or method prescribed limits.
J = All results evaluated to the Limit of Detection for reporting. Values below the Limit of Quantitation but above the Limit of Detection are qualified with J as estimated.
B = Analyte was detected in the method blank.
E = Estimated Value above the calibration limit of the instrument.

ANALYTICAL REPORT

ENVIRONMENTAL RESOLUTIONS, INC 10229
Pat Toelkes
20372 NORTH SEA CIRCLE
LAKE FOREST, CA 92630

Lab Number: 05-A101698
Sample ID: W-16-MW02
Sample Type: Water
Site ID: 18-LBF

Project: ERI 3236 13
Project Name: EXXONMOBIL 18-LBF
Sampler: JORGE GONZALEZ

Date Collected: 7/13/05
Time Collected: 8:46
Date Received: 7/15/05
Time Received: 7:55

Purchase Order: 4505826166

Parameter	Result	Flag	Units	Limit of Quantitation	Limit of Detection	Dilution Factor	Date	Time	Method	Analyst	Batch
**Volatile Organics											
**Ethyl-t-butylether	<1.00		ug/l	1.00	0.27	1.	7/16/05	23:16	8260B	I. Ahmed	7412
**tert-amyl methyl ether	<1.00		ug/L	1.00	0.30	1.	7/16/05	23:16	8260B	I. Ahmed	7412
**Tertiary butyl alcohol	244.		ug/l	10.0	4.28	1.0	7/17/05	11:07	8260B	I. Ahmed	7412
**Benzene	<0.50		ug/l	0.50	0.25	1.	7/16/05	23:16	8260B	I. Ahmed	7412
**Ethylbenzene	<0.50		ug/l	0.50	0.19	1.	7/16/05	23:16	8260B	I. Ahmed	7412
**Toluene	<0.50		ug/l	0.50	0.17	1.	7/16/05	23:16	8260B	I. Ahmed	7412
**Xylenes (Total)	<0.50		ug/l	0.50	0.33	1.	7/16/05	23:16	8260B	I. Ahmed	7412
**Methyl-t-butyl ether	69.4		ug/l	1.00	0.23	1.0	7/16/05	23:16	8260B	I. Ahmed	7412
**Diisopropyl ether	<1.00		ug/l	1.00	0.18	1.	7/16/05	23:16	8260/SA05-77	I. Ahmed	7412
**TPH-GC											
**TPH (Gasoline Range)	52.2		ug/l	50.0	33.0	1.0	7/16/05	17:04	CA-LUFT	Chakrabort	6012

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	115.	63. - 134.
VOA Surr 1,2-DCA-d4	107.	70. - 130.
VOA Surr Toluene-d8	102.	78. - 121.
VOA Surr, 4-BFB	107.	78. - 126.
VOA Surr, DBFM	110.	79. - 122.

ANALYTICAL REPORT

Laboratory Number: 05-A101698
Sample ID: W-16-MW02

Page 2

LABORATORY COMMENTS:

ND = Not detected at the limit of Quantitation.
U = Analyte analyzed for but not detected.
= Recovery outside Laboratory historical or method prescribed limits.
J = All results evaluated to the Limit of Detection for reporting. Values below the Limit of Quantitation but above the Limit of Detection are qualified with J as estimated.
B = Analyte was detected in the method blank.
E = Estimated Value above the calibration limit of the instrument.

ANALYTICAL REPORT

ENVIRONMENTAL RESOLUTIONS, INC 10229
Pat Toelkes
20372 NORTH SEA CIRCLE
LAKE FOREST, CA 92630

Lab Number: 05-A101699
Sample ID: W-16-MW03
Sample Type: Water
Site ID: 18-LBF

Project: ERI 3236 13
Project Name: EXXONMOBIL 18-LBF
Sampler: JORGE GONZALEZ

Date Collected: 7/13/05
Time Collected: 9:46
Date Received: 7/15/05
Time Received: 7:55

Purchase Order: 4505826166

Parameter	Result	Flag	Units	Limit of Quantitation	Limit of Detection	Dilution Factor	Date	Time	Method	Analyst	Batch
**Volatile Organics											
**Ethyl-t-butylether	<1.00		ug/l	1.00	0.27	1.	7/16/05	23:38	8260B	I. Ahmed	7412
**tert-amyl methyl ether	2.50		ug/L	1.00	0.30	1.0	7/16/05	23:38	8260B	I. Ahmed	7412
**Tertiary butyl alcohol	1360		ug/l	10.0	4.28	1.0	7/16/05	23:38	8260B	I. Ahmed	7412
**Benzene	0.60		ug/l	0.50	0.25	1.0	7/16/05	23:38	8260B	I. Ahmed	7412
**Ethylbenzene	1.50		ug/l	0.50	0.19	1.0	7/16/05	23:38	8260B	I. Ahmed	7412
**Toluene	<0.50		ug/l	0.50	0.17	1.	7/16/05	23:38	8260B	I. Ahmed	7412
**Xylenes (Total)	0.60		ug/l	0.50	0.33	1.0	7/16/05	23:38	8260B	I. Ahmed	7412
**Methyl-t-butyl ether	987.		ug/l	10.0	2.30	10.0	7/17/05	17:07	8260B	I. Ahmed	7412
**Diisopropyl ether	<1.00		ug/l	1.00	0.18	1.	7/16/05	23:38	8260/SA05-77	I. Ahmed	7412
**TPH-GC											
**TPH (Gasoline Range)	871.		ug/l	50.0	33.0	1.0	7/16/05	17:19	CA-LUFT	Chakrabort	6012

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	92.	63. - 134.
VOA Surr 1,2-DCA-d4	104.	70. - 130.
VOA Surr Toluene-d8	103.	78. - 121.
VOA Surr, 4-BFB	108.	78. - 126.
VOA Surr, DBFM	108.	79. - 122.

ANALYTICAL REPORT

Laboratory Number: 05-A101699
Sample ID: W-16-MW03

Page 2

LABORATORY COMMENTS:

ND = Not detected at the limit of Quantitation.
U = Analyte analyzed for but not detected.
= Recovery outside Laboratory historical or method prescribed limits.
J = All results evaluated to the Limit of Detection for reporting. Values
below the Limit of Quantitation but above the Limit of Detection are
qualified with J as estimated.
B = Analyte was detected in the method blank.
E = Estimated Value above the calibration limit of the instrument.

ANALYTICAL REPORT

ENVIRONMENTAL RESOLUTIONS, INC 10229
Pat Toelkes
20372 NORTH SEA CIRCLE
LAKE FOREST, CA 92630

Lab Number: 05-A101700
Sample ID: W-15-MW04
Sample Type: Water
Site ID: 18-LBF

Project: ERI 3236 13
Project Name: EXXONMOBIL 18-LBF
Sampler: JORGE GONZALEZ

Date Collected: 7/13/05
Time Collected: 9:56
Date Received: 7/15/05
Time Received: 7:55

Purchase Order: 4505826166

Parameter	Result	Flag	Units	Limit of Quantitation	Limit of Detection	Dilution Factor	Date	Time	Method	Analyst	Batch
**Volatile Organics											
**Ethyl-t-butylether	<1.00		ug/l	1.00	0.27	1.	7/16/05	20:20	8260B	I. Ahmed	7412
**tert-amyl methyl ether	<1.00		ug/L	1.00	0.30	1.	7/16/05	20:20	8260B	I. Ahmed	7412
**Tertiary butyl alcohol	684.		ug/l	10.0	4.28	1.0	7/16/05	20:20	8260B	I. Ahmed	7412
**Benzene	99.0		ug/l	0.50	0.25	1.0	7/16/05	20:20	8260B	I. Ahmed	7412
**Ethylbenzene	135.		ug/l	0.50	0.19	1.0	7/16/05	20:20	8260B	I. Ahmed	7412
**Toluene	141.		ug/l	0.50	0.17	1.0	7/16/05	20:20	8260B	I. Ahmed	7412
**Xylenes (Total)	550.		ug/l	2.50	1.65	5.0	7/17/05	14:11	8260B	I. Ahmed	7412
**Methyl-t-butyl ether	2050		ug/l	50.0	11.5	50.0	7/17/05	14:33	8260B	I. Ahmed	1545
**Diisopropyl ether	<1.00		ug/l	1.00	0.18	1.	7/16/05	20:20	8260/SA05-77	I. Ahmed	7412
**TPH-GC											
**TPH (Gasoline Range)	3870		ug/l	500.	330.	10.0	7/19/05	15:22	CA-LUFT	Chakrabort	8630

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	77.	63. - 134.
VOA Surr 1,2-DCA-d4	107.	70. - 130.
VOA Surr Toluene-d8	100.	78. - 121.
VOA Surr, 4-BFB	108.	78. - 126.
VOA Surr, DBFM	110.	79. - 122.

ANALYTICAL REPORT

Laboratory Number: 05-A101700
Sample ID: W-15-MW04

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LABORATORY COMMENTS:

ND = Not detected at the limit of Quantitation.

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= Recovery outside Laboratory historical or method prescribed limits.

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qualified with J as estimated.

B = Analyte was detected in the method blank.

E = Estimated Value above the calibration limit of the instrument.

ANALYTICAL REPORT

ENVIRONMENTAL RESOLUTIONS, INC 10229
Pat Toelkes
20372 NORTH SEA CIRCLE
LAKE FOREST, CA 92630

Lab Number: 05-A101701
Sample ID: TRIP BLANKS
Sample Type: Water
Site ID: 18-LBF

Project: ERI 3236 13
Project Name: EXXONMOBIL 18-LBF
Sampler: JORGE GONZALEZ

Date Collected: 7/13/05
Time Collected:
Date Received: 7/15/05
Time Received: 7:55

Purchase Order: 4505826166

Parameter	Result	Flag	Units	Limit of Quantitation	Limit of Detection	Dilution Factor	Date	Time	Method	Analyst	Batch
**Volatile Organics											
**Ethyl-t-butylether	<1.00		ug/l	1.00	0.27	1.	7/16/05	19:58	8260B	I. Ahmed	7412
**tert-amyl methyl ether	<1.00		ug/L	1.00	0.30	1.	7/16/05	19:58	8260B	I. Ahmed	7412
**Tertiary butyl alcohol	<10.0		ug/l	10.0	4.28	1.	7/16/05	19:58	8260B	I. Ahmed	7412
**Benzene	<0.50		ug/l	0.50	0.25	1.	7/16/05	19:58	8260B	I. Ahmed	7412
**Ethylbenzene	<0.50		ug/l	0.50	0.19	1.	7/16/05	19:58	8260B	I. Ahmed	7412
**Toluene	<0.50		ug/l	0.50	0.17	1.	7/16/05	19:58	8260B	I. Ahmed	7412
**Xylenes (Total)	<0.50		ug/l	0.50	0.33	1.	7/16/05	19:58	8260B	I. Ahmed	7412
**Methyl-t-butyl ether	<1.00		ug/l	1.00	0.23	1.	7/16/05	19:58	8260B	I. Ahmed	7412
**Diisopropyl ether	<1.00		ug/l	1.00	0.18	1.	7/16/05	19:58	8260/SA05-77	I. Ahmed	7412
**TPH-GC											
**TPH (Gasoline Range)	<50.0		ug/l	50.0	33.0	1.	7/16/05	20:15	CA-LUFT	Chakrabort	6827

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	91.	63. - 134.
VOA Surr 1,2-DCA-d4	107.	70. - 130.
VOA Surr Toluene-d8	103.	78. - 121.
VOA Surr, 4-BFB	111.	78. - 126.
VOA Surr, DBFM	105.	79. - 122.

ANALYTICAL REPORT

Laboratory Number: 05-A101701
Sample ID: TRIP BLANKS

Page 2

LABORATORY COMMENTS:

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B = Analyte was detected in the method blank.

E = Estimated Value above the calibration limit of the instrument.

PROJECT QUALITY CONTROL DATA
Project Number: ERI 3236 13
Page: 1

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Samp
-----	-----	-----	-----	-----	-----	-----	-----	-----
UST ANALYSIS								
TPH (Gasoline Range)	mg/l	19.6	68.0	50.0	97	43. - 150.	6013	05-A1011
TPH (Gasoline Range)	mg/l	19.6	61.2	50.0	83	43. - 150.	6013	M:05A1011
BTEX/GRO Surr., a,a,a-TFT	% Recovery				92	63. - 134.	6013	
BTEX/GRO Surr., a,a,a-TFT	% Recovery				119	63. - 134.	6013	

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Samp
-----	-----	-----	-----	-----	-----	-----	-----	-----
VOA PARAMETERS								
Benzene	mg/l	0.0990	0.148	0.0500	98	62. - 143.	7412	101700
Benzene	mg/l	0.0990	0.135	0.0500	72	62. - 143.	7412	M:101700
Toluene	mg/l	0.141	0.188	0.0500	94	63. - 141.	7412	101700
Toluene	mg/l	0.141	0.164	0.0500	46#	63. - 141.	7412	M:101700
VOA Surr 1,2-DCA-d4	% Rec				103	70. - 130.	7412	
VOA Surr 1,2-DCA-d4	% Rec				105	70. - 130.	7412	
VOA Surr 1,2-DCA-d4	% Rec				110	70. - 130.	7419	
VOA Surr 1,2-DCA-d4	% Rec				112	70. - 130.	7419	
VOA Surr Toluene-d8	% Rec				106	78. - 121.	7412	
VOA Surr Toluene-d8	% Rec				104	78. - 121.	7412	
VOA Surr Toluene-d8	% Rec				105	78. - 121.	7419	
VOA Surr Toluene-d8	% Rec				99	78. - 121.	7419	
VOA Surr, 4-BFB	% Rec				103	78. - 126.	7412	
VOA Surr, 4-BFB	% Rec				108	78. - 126.	7412	
VOA Surr, 4-BFB	% Rec				111	78. - 126.	7419	
VOA Surr, 4-BFB	% Rec				106	78. - 126.	7419	
VOA Surr, DBFM	% Rec				107	79. - 122.	7412	
VOA Surr, DBFM	% Rec				110	79. - 122.	7412	
VOA Surr, DBFM	% Rec				111	79. - 122.	7419	
VOA Surr, DBFM	% Rec				111	79. - 122.	7419	

PROJECT QUALITY CONTROL DATA
Project Number: ERI 3236 13
Page: 2

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
-----	-----	-----	-----	-----	-----	-----
UST PARAMETERS						
TPH (Gasoline Range)	mg/l	68.0	61.2	10.53	27.	6013
BTEX/GRO Surr., a,a,a-TFT	% Recovery		119.			6013

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
-----	-----	-----	-----	-----	-----	-----
VOA PARAMETERS						
Benzene	mg/l	0.148	0.135	9.19	27.	7412
Toluene	mg/l	0.188	0.164	13.64	34.	7412
VOA Surr 1,2-DCA-d4	% Rec		105.			7412
VOA Surr 1,2-DCA-d4	% Rec		112.			7419
VOA Surr Toluene-d8	% Rec		104.			7412
VOA Surr Toluene-d8	% Rec		99.			7419
VOA Surr, 4-BFB	% Rec		108.			7412
VOA Surr, 4-BFB	% Rec		106.			7419
VOA Surr, DBFM	% Rec		110.			7412
VOA Surr, DBFM	% Rec		111.			7419

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
-----	-----	-----	-----	-----	-----	-----
UST PARAMETERS						
TPH (Gasoline Range)	mg/l	1.00	1.16	116	64 - 130	6012
TPH (Gasoline Range)	mg/l	1.00	1.03	103	64 - 130	6012
TPH (Gasoline Range)	mg/l	1.00	1.08	108	64 - 130	6013
TPH (Gasoline Range)	mg/l	1.00	0.984	98	64 - 130	6013
TPH (Gasoline Range)	mg/l	1.00	0.938	94	64 - 130	8646
TPH (Gasoline Range)	mg/l	1.00	1.03	103	64 - 130	8646

PROJECT QUALITY CONTROL DATA
Project Number: ERI 3236 13
Page: 3

BTEX/GRO Surr., a,a,a-TFT	% Recovery	95	63 - 134	6012
BTEX/GRO Surr., a,a,a-TFT	% Recovery	118	63 - 134	6012
BTEX/GRO Surr., a,a,a-TFT	% Recovery	92	63 - 134	6013
BTEX/GRO Surr., a,a,a-TFT	% Recovery	118	63 - 134	6013
BTEX/GRO Surr., a,a,a-TFT	% Recovery	116	63 - 134	8646
BTEX/GRO Surr., a,a,a-TFT	% Recovery	78	63 - 134	8646

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
*****	*****	*****	*****	*****	*****	*****
VOA PARAMETERS						
Ethyl-t-butylether	mg/l	0.0500	0.0594	119	67 - 140	7412
tert-amyl methyl ether	mg/L	0.0500	0.0568	114	68 - 134	7412
Tertiary butyl alcohol	mg/l	0.500	0.573	115	28 - 182	7412
Tertiary butyl alcohol	mg/l	0.500	0.569	114	28 - 182	7419
Benzene	mg/l	0.0500	0.0514	103	78 - 123	7412
Ethylbenzene	mg/l	0.0500	0.0522	104	80 - 124	7412
Toluene	mg/l	0.0500	0.0485	97	77 - 124	7412
Xylenes (Total)	mg/l	0.150	0.157	105	81 - 124	7412
Xylenes (Total)	mg/l	0.150	0.161	107	81 - 124	7419
Methyl-t-butyl ether	mg/l	0.0500	0.0544	109	69 - 136	7412
Methyl-t-butyl ether	mg/l	0.0500	0.0564	113	69 - 136	1545
Methyl-t-butyl ether	mg/l	0.0500	0.0564	113	69 - 136	7419
Diisopropyl ether	mg/l	0.0500	0.0526	105	65 - 140	7412
VOA Surr 1,2-DCA-d4	% Rec			103	70 - 130	7412
VOA Surr 1,2-DCA-d4	% Rec			104	70 - 130	1545
VOA Surr 1,2-DCA-d4	% Rec			104	70 - 130	7419
VOA Surr Toluene-d8	% Rec			103	78 - 121	7412
VOA Surr Toluene-d8	% Rec			105	78 - 121	1545
VOA Surr Toluene-d8	% Rec			105	78 - 121	7419
VOA Surr, 4-BFB	% Rec			103	78 - 126	7412
VOA Surr, 4-BFB	% Rec			106	78 - 126	1545
VOA Surr, 4-BFB	% Rec			106	78 - 126	7419
VOA Surr, DBFM	% Rec			104	79 - 122	7412
VOA Surr, DBFM	% Rec			111	79 - 122	1545
VOA Surr, DBFM	% Rec			111	79 - 122	7419

PROJECT QUALITY CONTROL DATA
Project Number: ERI 3236 13
Page: 4

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
-----	-----	-----	-----	-----	-----
UST PARAMETERS					
TPH (Gasoline Range)	< 0.0500	mg/l	6012	7/16/05	14:20
TPH (Gasoline Range)	< 0.0500	mg/l	6012	7/16/05	14:51
TPH (Gasoline Range)	< 0.0500	mg/l	6013	7/16/05	19:46
TPH (Gasoline Range)	< 0.0500	mg/l	6013	7/16/05	20:01
TPH (Gasoline Range)	< 0.0500	mg/l	8646	7/19/05	12:07
TPH (Gasoline Range)	< 0.0500	mg/l	8646	7/19/05	12:22

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
-----	-----	-----	-----	-----	-----
UST PARAMETERS					
BTEX/GRO Surr., a,a,a-TFT	118.	% Recovery	6012	7/16/05	14:20
BTEX/GRO Surr., a,a,a-TFT	100.	% Recovery	6012	7/16/05	14:51
BTEX/GRO Surr., a,a,a-TFT	92.	% Recovery	6013	7/16/05	19:46
BTEX/GRO Surr., a,a,a-TFT	117.	% Recovery	6013	7/16/05	20:01
BTEX/GRO Surr., a,a,a-TFT	88.	% Recovery	8646	7/19/05	12:07
BTEX/GRO Surr., a,a,a-TFT	120.	% Recovery	8646	7/19/05	12:22

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
-----	-----	-----	-----	-----	-----
VOA PARAMETERS					
Ethyl-t-butylether	< 0.00027	mg/l	7412	7/16/05	18:52
tert-amyl methyl ether	< 0.00030	mg/L	7412	7/16/05	18:52
Tertiary butyl alcohol	< 0.00428	mg/l	7412	7/16/05	18:52
Tertiary butyl alcohol	< 0.00428	mg/l	7419	7/17/05	9:39
Benzene	< 0.00025	mg/l	7412	7/16/05	18:52
Ethylbenzene	< 0.00019	mg/l	7412	7/16/05	18:52
Toluene	< 0.00017	mg/l	7412	7/16/05	18:52
Xylenes (Total)	< 0.00033	mg/l	7412	7/16/05	18:52
Xylenes (Total)	< 0.00033	mg/l	7419	7/17/05	9:39

PROJECT QUALITY CONTROL DATA
Project Number: ERI 3236 13
Page: 5

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Methyl-t-butyl ether	< 0.00023	mg/l	7412	7/16/05	18:52
Methyl-t-butyl ether	< 0.00023	mg/l	1545	7/17/05	9:39
Methyl-t-butyl ether	< 0.00023	mg/l	7419	7/17/05	9:39
Diisopropyl ether	< 0.00018	mg/l	7412	7/16/05	18:52
VOA Surr 1,2-DCA-d4	102.	% Rec	7412	7/16/05	18:52
VOA Surr 1,2-DCA-d4	105.	% Rec	1545	7/17/05	9:39
VOA Surr 1,2-DCA-d4	105.	% Rec	7419	7/17/05	9:39
VOA Surr Toluene-d8	100.	% Rec	7412	7/16/05	18:52
VOA Surr Toluene-d8	106.	% Rec	1545	7/17/05	9:39
VOA Surr Toluene-d8	106.	% Rec	7419	7/17/05	9:39
VOA Surr, 4-BFB	111.	% Rec	7412	7/16/05	18:52
VOA Surr, 4-BFB	109.	% Rec	1545	7/17/05	9:39
VOA Surr, 4-BFB	109.	% Rec	7419	7/17/05	9:39
VOA Surr, DBFM	104.	% Rec	7412	7/16/05	18:52
VOA Surr, DBFM	108.	% Rec	1545	7/17/05	9:39
VOA Surr, DBFM	108.	% Rec	7419	7/17/05	9:39

= Value outside Laboratory historical or method prescribed QC limits.

External Nonconformance / Customer Inquiry

Initiated by:	Iklingensmith	Phone:	949-457-8944	NC Closed	<input checked="" type="checkbox"/>
Client Name:	ENVIRONMENTAL	Sample Range:	101697-701	Date Closed	8/12/2005
Client Contact:	Jamie Montefu	SDG:	422938		
Client Account:	10229	Analyst:	224		
Date Created:	8/12/2005	Supervisor:	Mark Hollingsworth		

Process: Change Sample ID

Corrected By: Leah Klingensmith

Action: Report was amended and resubmitted

Closed: ☒ Iklingensmith

Comments: Comment added by: Iklingensmith on 8/12/2005 3:38:06 PM
Revised report sent 8-12-05.

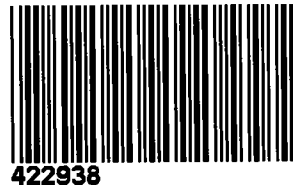
Comment added by: Iklingensmith on 8/12/2005 3:37:47 PM
Process Closed without Comment

Add an "0" to the sample ID's for 101697-701. ERI(10229)
From: Jamie Montefu [mailto:jmontefu@ERI-US.com]
Sent: Tuesday, August 09, 2005 11:13 AM
To: Leah Klingensmith
Cc: Patrick J. Toelkes; Gary Decarlo; Birgit Haissig; Jorge H. Gonzalez; Patricia Garcia; Meriem Yacoby; Rosemary Shearer
Subject: ERI 3236 (ExxonMobil 18LBF, lab project 422938, dated 7/22/05)
RE: ERI 3236 (ExxonMobil 18LBF, lab project 422938, dated 7/22/05)
Hi Leah,
ERI made an error in naming all of the samples associated with this report. There should be zeros in the last portion of each sample's name. I have faxed the corrected COC to your attention.
W-16-MW1 should be W-16-MW01
W-16-MW2 should be W-16-MW02
W-16-MW3 should be W-16-MW03
W-15-MW4 should be W-15-MW04

Nashville Division

COOLER RECEIPT FORM

BC#



Client Name : ERI

Cooler Received/Opened On: 7/15/05 Accessioned By: Paul R. Buckingham II

[Signature]
Log-in Personnel Signature

1. Temperature of Cooler when triaged: 1.2 Degrees Celsius
2. Were custody seals on outside of cooler?..... YES...NO...NA
 a. If yes, how many and where: N/A
3. Were custody seals on containers?..... NO...YES...NA
4. Were the seals intact, signed, and dated correctly?..... YES...NO...NA
5. Were custody papers inside cooler?..... YES...NO...NA
6. Were custody papers properly filled out (ink, signed, etc)?..... YES...NO...NA
7. Did you sign the custody papers in the appropriate place?..... YES...NO...NA
8. What kind of packing material used? Bubblewrap Peanuts Vermiculite Foam Insert
 Ziplock baggies Paper Other None
9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None
10. Did all containers arrive in good condition (unbroken)?..... YES...NO...NA
11. Were all container labels complete (#, date, signed, pres., etc)?..... YES...NO...NA
12. Did all container labels and tags agree with custody papers?..... YES...NO...NA
13. Were correct containers used for the analysis requested?..... YES...NO...NA
14. a. Were VOA vials received?..... YES...NO...NA
 b. Was there any observable head space present in any VOA vial?..... NO...YES...NA
15. Was sufficient amount of sample sent in each container?..... YES...NO...NA
16. Were correct preservatives used?..... YES...NO...NA

If not, record standard ID of preservative used here _____

17. Was residual chlorine present?..... NO...YES...NA
18. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below:

4479

Fed-Ex

UPS

Velocity

DHL

Route

Off-street

Misc.

19. If a Non-Conformance exists, see attached or comments below:



Regulatory District (CA) LARWQCB

[illegible]

PURGING AND SAMPLING RECORD - FIELD LOG									
CLIENT NAME: EXXONMOBIL 18LBF				ERI JOB # 3236 13		0.163 FOR A 2" WELL			
SITE LOCATION: 19248 VICTORY BLVD				ANALYSIS: TPHg/8260B		0.652 FOR A 4" WELL			
FIELD CREW: JG <i>JG</i> DATE: 7/13/05						1.167 FOR A 6" WELL			
		DEPTH TO	DEPTH TO	CASE	CASE	PRG			
WELL #	TIME	WATER	WELL	DIA	VOL(gal)	VOL	COND.	TEMP	pH
MW01	7:30 AM	16.46	31.91	4	10.09	30			
	8:08 AM					1	1.75	77.2	6.97
	8:13 AM					10	1.77	72.7	6.85
	8:18 AM					20	1.76	70.8	6.80
	8:24 AM					30	1.78	70.8	6.81
SW	8:34 AM	16.52							
COMMENTS	Water cloudy								
		DEPTH TO	DEPTH TO	CASE	CASE	PRG			
WELL #	TIME	WATER	WELL	DIA	VOL	VOL	COND.	TEMP	pH
MW02	7:40 AM	16.45	39.23	4	14.87	42			
	8:10 AM					1	1.81	72.8	6.93
	8:19 AM					14	1.78	70.9	6.82
	8:28 AM					28	1.79	70.8	6.85
	8:37 AM					42	1.77	71.1	6.82
SW	8:46 AM	16.49							
COMMENTS	Water cloudy								
		DEPTH TO	DEPTH TO	CASE	CASE	PRG			
WELL #	TIME	WATER	WELL	DIA	VOL	VOL	COND.	TEMP	pH
MW03	7:50 AM	16.02	37.98	4	14.3345	42			
	9:00 AM					1	1.96	79.5	6.68
	9:09 AM					14	1.91	73.3	6.67
	9:19 AM					28	1.97	71.6	6.85
	9:29 AM					42	1.95	71.3	6.83
SW	9:46 AM	17.51							
COMMENTS	Water cloudy								
		DEPTH TO	DEPTH TO	CASE	CASE	PRG			
WELL #	TIME	WATER	WELL	DIA	VOL	VOL	COND.	TEMP	pH
MW04	8:00 AM	15.74	38.45	4	14.82	42			
	9:03 AM					1	1.88	75.4	6.65
	9:12 AM					14	1.89	72.1	6.75
	9:22 AM					28	1.92	70.6	6.80
	9:32 AM					42	1.93	70.4	6.83
SW	9:56 AM	16.46							
COMMENTS	Water cloudy								

WELL SAMPLING AND SURVEYING

- 1) Open well heads. This may require a socket or a special Allen wrench.
- 2) If the wells are not surveyed by a licensed land surveyor, then survey the wells if this hasn't been done before as follows:
 - a) Select a permanent benchmark (e.g. curb at corner of site, property line). Record on "SURVEYGW" form.
 - b) Measure and record rectangular coordinates from benchmark to each well.
 - c) Set up tripod and transit where it can see all wells and the benchmark = Station "A". If you can't see all wells, two transit locations must be used. At least one well surveyed from Station "A" must be resurveyed from Station "B". Preferably, two or more wells are resurveyed.
 - d) Carefully level the tripod using the bubble indicator.
 - e) Place stadia rod on benchmark and record height from crosshair to reference, (D_o).
 - f) Place stadia rod on each well (at the notch) and record ht. from well to crosshair, (D_w).
 - g) Calculate casing elevation as shown on data sheet SURVEYGW.

To check the accuracy in leveling the transit, set the transit in second spot and repeat steps 2c through 2g. Recalculation of casing elevations should agree within 0.01 ft. or a third placement of the tripod will be required.

- 3) Set up a decon station. This consists of four (4) buckets. Fill the first with deionized water and one (1) teaspoon (approximately one cap full) of Liquinox soap. Fill the next three (3) buckets with deionized water. To decon a probe or water level indicator, place the element and the tape in the buckets in series, finishing with a good rise. To decon a pump, place the pump, hose and wire leads into the buckets in series, and circulate water through the pump in each bucket. Move the equipment from the dirtiest to cleanest bucket, rinsing thoroughly in each bucket.
- 4) Decon the interface probe or water level indicator before inserting into each well. Review the historical groundwater concentrations and sample from cleanest well to hottest well, deconing between each well. Lower probe/indicator until it beeps - raise and lower and mark the level on the tape with your thumb. Estimate level to the nearest 0.01 ft. Note the depth to free product if present as indicated by the interface probe and the depth to water on your field notes and log. Note any odor when the probe is withdrawn from the well. Look for the notch or ink mark on the top of the well and measure all levels from that. Notch should be on the highest side of the well pipe. If no side is high, notch should be on the north side. Measure from the casing adjacent to the notch - not from the bottom of the notch. If there is no notch - make one. For sites that have free product, or historically have had free product, use a bailer to remove a sample of the top of the water column and measure the product in the bailer or look for a sheen. Take a picture of any bailers with product after labeling the bailer with the well number.
- 5) If there is free product, do not purge or sample. The presence of liquid phase hydrocarbons means the concentration in the water will be high anyway and the pump will be difficult to get clean enough to avoid contaminating other wells.
- 6) Developing: If the well has not been developed (it is new), surge the well by moving bailer up and down vigorously in the well for about 5 minutes. This will wash silt from the sand pack into the well where it can be removed.
- 7) Pull out as much silt as possible by running the bailer all the way to the bottom and withdrawing. Continue bailing until water is fairly clear or until local regulatory specifications are met. Removal of silt with the bailer will extend the pump life. Contact the Project Manager if water does not clear up by 10 casing volumes.

- 8) Decon pump by washing in TSP/water the rinsing with tap water and rinsing again with deionized water. Then pump clean water through the pump to push out any dirty water.
- 9) Purging: Place pump in well about 2 to 5 feet off bottom. Withdraw at least 3 casing volumes from the well, or until temperature, pH and conductivity stabilize (see local regulations). Be careful not to let the pump run dry. If an electric purging pump is used, such as a Grundfos pump, check the water level in the well with the water level indicator and slow pump down when water level is within 2 ft of the pump head. While purging, collect a water sample as often as possible and check for pH, conductivity, and temperature. Stable pH and conductivity would indicate the well has been filled with representative groundwater and purging is complete. If well recharges slowly, remove 1.5 casing volumes. Estimate flow rates by recording the time it takes to fill a 5-gallon bucket (1/2 of a 55-gallon barrel, etc.)
- 10) Decon pump thoroughly between each well by repeating step 7.
- 11) Label bottles with a "Sharpie Pen" when they are dry. Label as W-xx-MWy, where xx is water depth below surface in feet and y is well number (refer to SOP-1).
- 12) After the well has been developed, sample the water using a disposable bailer and surgical gloves to prevent oil from your hands from contaminating the sample. Be sure to leave no headspace or bubbles in any water sample to be tested for volatiles. Wells should be sampled within (24) hours of purging and the well should have recovered to within 80% of its volume before purging. (Slow recharge wells need to be addressed with the Project Manager - and may have to be purged slowly). Gasoline contaminated water requires at least three (3) 40 ml VOA's from each well. Preserve samples by acidifying to pH <2 (usually with two drops of HCl). Water suspected of contamination with oil or diesel requires 2 1-liter samples in amber bottles. Samples contaminated with oil will require 10 drops of H₂SO₄ for preservation. Samples for organic lead require two (2) 1-liter amber bottles.
- 13) Place like vials in a baggie and label the baggie. Put vials and baggie in an ice chest filled with ice and document samples and analyses required on a chain of custody. Take samples to the laboratory the same day samples are collected if possible, at least within 24 hours.
- 14) Clean wellhead gaskets (seals), put locking caps on the wells and replace the covers. Cover and label the drums (if any) of purge and decon water.

<u>Analysis</u>	<u>Bottles</u>	<u>Preservative</u>
8015 mod gasoline/8020(602)	min. of 3 x 40 ml VOA	2 drops HCl to pH <2
8015 mod diesel/8020(602)	2 1-liter & 3 x 40 ml VOA	2 drops HCl to pH <2 (applied to VOA's)
418.1 (TRPH)	2 1-liter amber	10 drops H ₂ SO ₄ to pH <2
Organic Lead	2 1-liter amber	no preservative suggested
HOC - 8010 (601)	min. of 3 x 40 ml VOA	no preservative suggested

Items Needed:

Water Level Indicator
 Disposable Bailers
 Generator
 Grundfos Pump and Reel
 Grundfos Pump Control Box
 Hydac Cond/Temp/pH Meter
 Liter Bottles
 VOAs

Distilled Water
 4 Buckets
 Bottle Brush
 TSP Detergent
 Stainless Steel Cable or Poly Rope
 Cooler with Ice
 Socket set and Allen Wrench (CNI Key)
 Plastic sheeting

Items Needed for Surveying:

Topcon AT-F7 Transit
 Tripod
 Stadia Rod

SOP-6
Quarterly Well Monitoring
Rev 6/05

QUARTERLY WELL MONITORING

- 1) Give the site manager advance notification of field activities. Arrange for a sufficient number of drums. Obtain a site plan with the location and ID's of the wells to be monitored and a copy of the table from the last quarterly report with the previous groundwater data.
- 2) Open well heads. This may require a socket or a special allen wrench.
- 3) Set up decon station per SOP-5. Measure groundwater depths with water level indicator as per SOP-5 before any other action is taken. If the depth to the bottom of the monitoring well is unknown, reel out the water level indicator until you feel the probe contact the bottom. You may have to raise and lower the probe several times to "feel" contact with the bottom. The probe is not very heavy, and the bottom of the well may have a cushioning layer of silt. Record the depth of the well once you feel confident the probe is at the bottom. Note odors from well.
- 4) Calculate the linear footage of water in each well, by subtracting the depth to water from the total well depth. To obtain the casing volume in gallons, multiply the linear footage by a constant for the given well casing diameter. Typically, three casing volumes are purged from each well prior to sampling. **Always** Round up - if 3.4 gallons, then purge 4 gallons - if 12.1 gallons, then purge 13 gallons.

<u>Casing diameter</u>	<u>Gallons per linear foot</u>
2"	0.17
4"	0.66
6"	1.50
8"	2.60

- 5) After measuring all water levels, begin purging the wells in order of the cleanest to the most contaminated based on last quarter's data. Well purging procedures are outlined in SOP-5. While wells containing free floating product may not be sampled, the project manager may want the free product removed manually by bailer. Check with the project manager before bailing LPH. You may find that for shallow wells, it may be quicker to bail manually rather than set up the pump. Place purge and decon water in a 55-gallon drum or treat on site. Do not mix purge water from different wells in one drum. Record all purge data on Groundwater Sampling Field Logs. Record "LPH" and the thickness in feet and inches (to nearest 1/16 of an inch) in the comments section if a measurable level of LPH present. If non-measurable amount present then record "Sheen" in the comments section.
- 6) When the well has recovered at least 80% of its' original water level, collect samples using a clean, new disposable bailer. Use a new disposable bailer for each well. Make sure the rope or line is tied securely on the bailer, you don't want to go fishing. Sample in order of the cleanest to the most contaminated. If required, collect field (equipment) blanks.
- 7) Trip blanks are a QA/QC procedure that must be collected at every site. Obtain a trip blank from the laboratory. They will make them up for you. The trip blank to taken unopened to the site and is kept with the other samples in the cooler unopened during the day's sampling. Label the bottle as an arbitrary monitoring well. For example: if there are 5 monitoring wells to be sampled at the site, the trip blank should be labeled as if it were a sample from MW6. The trip blank is never opened and it is used to determine if any contaminants are introduced by the laboratory or during transportation of the samples.
- 8) Field (equipment) blanks are a QA/QC procedure to be collected at the project manager's discretion (or always for LACDPW sites). To collect a field blank decon a bailer thoroughly; pour distilled water into the bailer; pour the distilled water from the bailer into appropriate sample bottle(s) for the analysis

to be performed, allow for no headspace; label the bottle as an arbitrary monitoring well. For example: if there are 5 monitoring wells to be sampled at the site plus a trip blank, and a field blank is to be collected, the field blank should be labeled as if it were a sample from MW7 (the trip blank is MW6). If a disposable bailer is used for sampling, use a new disposable bailer to collect the field blank.

- 9) Label sample containers when they are dry (refer to SOP-1). Place vials from each well in a separate plastic zip lock bag. Put bag in an ice chest and document samples and analyses required on a chain of custody (see attached examples).
- 10) Replace the locking caps, and the covers. Cover and label the drums of waste water. Place the drums on site in a location selected by the site manager. Usually, this will be near a dumpster or in the back, away from public view. Labels should face outward.
- 11) Decon all equipment per SOP-5 before leaving the site.

In general, groundwater sampling will be performed in accordance with LUFT guidelines. Several local agencies require that groundwater sampling occur under slightly different guidelines. Check with the project manager to find out which sites require special groundwater sampling procedures. Typically, the following apply:

Orange County Health Care Agency Requirements

No special requirements. Water sampling will be performed as per the State Water Resources Board's LUFT manual.

LARWQCB Groundwater Requirements

- o Purge a minimum of three well volumes if recovery is fast, or one borehole volume if recovery is slow (water does not recover to 80% of original level within two hours).
- o The last three readings must be within 10% for conductivity, temperature, and pH to show stabilization. This means that all three consecutive readings must be within these limits - the first with the middle, and the first with the last, and the middle with the last. For instance, pH readings of 6.92, 6.95, and 7.00 would be sufficient.
- o Even though there are no guidelines for turbidity, the measurements should be less than 10 NTU, or meet the baseline level established during development, upon completion of purging. Check with project manager if you use the baseline turbidity level.
- o Prior to sampling document recovery time by measuring the water level in each well to prove that at least 80% recovery has occurred.
- o A trip blank must be collected.
- o In the comments column of the chain of custody, write "Prepare laboratory report in WIP format."

San Diego Department of Health Services Groundwater Sampling Requirements

- o SDDHS does not encourage purging wells until dry.
- o Purge one borehole volume of water if recovery is fast, collecting pH/temperature/conductivity measurements while purging, then remove an additional one-half borehole volume of water. If the first and second measurements vary by less than 10%, purging is considered adequate. If not, keep purging water in one-half borehole volume increments until the measurements vary by less than 10%.

or three borehole volumes have been removed. Obtain three consecutive pH/temperature/conductivity measurements that are within 10% of each other.

- o If recovery is slow (water does not recover to 80% of original level within two hours) purge only one borehole volume of water.
- o Prior to sampling document recovery time by measuring the water level in each well to prove that at least 80% recovery has occurred.

Ventura County Environmental Health Division
Groundwater Sampling Requirements

- o A trip blank and a duplicate sample must be analyzed for each site.
- o Custody seals must be placed over the cap of each sample.

Under certain conditions the calculated purge volumes will need to be calculated in borehole volumes instead of well casings volumes. Use the following to calculate borehole volume in gallons.

<u>Well I.D.</u>	<u>Bore Volume</u>
2"	0.90 gal/ft. in water
4"/or nested wells	1.70 gal/ft. in water

The completed groundwater sampling log must contain:

- pH/temp./conductivity and turbidity measurements indicating stabilization
- time and volume of water removed at each pH/temp./conductivity measurements
- total volume of water purged
- name of personnel performing sampling
- date and project number
- problems or unusual conditions arising during purging or sampling, such as the well going dry during purging, water in the well vault, missing well caps or locks, odors, appearance of purge water, etc.
- 80% recovery measurement and time of measurement after purging and before sampling

All chains of custody for the client's groundwater sites must contain the consultant work release number, station identification number and client contact among the other items to be filled out. Check the groundwater sampling field log and chain of custody for completeness, accuracy and neatness. If you have any questions, call!!!

Make sure that the date and time of relinquished and accepted at the lab are the same on the chain of custody. Also, make sure the lab fills in the sample condition information and signs for the samples on the chain of custody

Santa Barbara County Environmental Health Services
Groundwater Monitoring Guidelines

I. Groundwater Monitoring

- A. Groundwater levels are to be monitored/measured in **all wells** in a short time span.
- B. Measure the groundwater levels (correct for "free product" thickness).
- C. Use a clear bailer to check for the presence of "floating product," sheen, and odors.
- D. Replace well cover until ready to purge well.

II. Purging

- A. Amount: generally 3 to 5 (no more than 10) well volumes; via bailer, pumps, or vacuum truck.

- B. Parameters (pH, temperature, conductivity) shall stabilize while purging.
 - 1. Measure the parameters of a small volume (i.e., a 500 ml) of the water as it is removed from the well. Measure the parameters initially and at regular volume intervals (e.g., after every well casing volume). More frequent testing may be needed if the well is known to go dry.
 - 2. Wells must be allowed to recharge prior to sampling (see section G of the Santa Barbara County LUFT Manual).
- C. Slow recharging wells are wells that are purged dry before removing 3 well volumes of water, and take more than **two (2)** hours to recharge.
 - 1. Note this on the field records and estimate the number of well volumes removed.
 - 2. Allow the well to recharge a minimum of two (2) feet and then sample.
 - 3. **Sample wells no later than 24 hours after purging.**
 - 4. Note the water level and percentage of recharge in the report.

III. Sample Collection

- A. Use either a decontaminated Teflon, stainless steel, or disposable bailer.
- B. Sample containers are to be supplied and certified by a laboratory:
 - 1. VOAs of 40 ml volume (at least 3 per well – check with lab and the PM for specific requirements); fill VOAs first to reduce volatilization.
 - 2. 4 oz sample containers for Pb (metallic lead) analysis (if needed).
- C. Fill containers by pouring along the inside of the vial to reduce volatilization.
- D. Form a positive meniscus with the water, to avoid trapping air, before placing the cap on the VOA. **Samples with headspace are not acceptable for analysis.**
 - 1. Check for bubbles by inverting and tapping gently to dislodge bubbles.
 - 2. If bubbles are found, uncap and repeat steps C and D.
- E. Label all samples and store immediately in an ice chest at 4 degrees Celsius filled with ice.
- F. Be careful to properly decontaminate equipment between each and every well.

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest
Document No.

2. Page 1
of

3. Generator's Name and Mailing Address

Western Area Retail Remediation Administrator Exxon Mobil Corporation
Global Remediation - Retail Projects 3700 W 190th St, TPT #2-15

4. Generator's Phone (**310 212-2938**) **Torrance, CA 90504**

Jeneé Briggs

5. Transporter 1 Company Name

6. US EPA ID Number

A. Transporter's Phone

Environmental Resolutions Inc.

(949) 457-8950

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

Bolshire Environmental/Nieto and Sons

(949) 859-1077

9. Designated Facility Name and Site Address

10. US EPA ID Number

C. Facility's Phone

Crosby and Overton
1610 West 17th Street Long Beach, CA 90313

(562) 432-5445

11. Waste Shipping Name and Description

12. Containers
No. Type

13. Total
Quantity

14. Unit
Wt/Vol

a.
Non-Hazardous Waste Liquid Not Regulated by D.O.T.

001

TT

162

G

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

Purged Groundwater

15

15. Special Handling Instructions and Additional Information

ERI 3236-13
ExxonMobil 18LBF
19248 Victory Blvd, Reseda, CA.

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Signature

Month Day Year

Gary De Carlo of ERI on behalf of ExxonMobil

Gary De Carlo

04 18 05

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

Gary De Carlo of ERI on behalf of ExxonMobil

Gary De Carlo

04 18 05

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

GILBERT GARCIA

Gilbert Garcia

10 21 05

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

Paul Adley

Paul Adley

07 01 05

ORIGINAL - RETURN TO GENERATOR